

Title (en)

ORGANIC LIGHT EMITTING DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME

Title (de)

ORGANISCHE LICHEMITTIERENDE ANZEIGEVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

DISPOSITIF D'AFFICHAGE ÉLECTROLUMINESCENT ORGANIQUE ET SON PROCÉDÉ DE FABRICATION

Publication

EP 4207974 A1 20230705 (EN)

Application

EP 22203825 A 20221026

Priority

KR 20210194334 A 20211231

Abstract (en)

According to an aspect of the present disclosure, an organic light emitting display device includes a substrate in which a first sub pixel emitting a first color, a second sub pixel emitting a second color, and a third sub pixel emitting a third color are disposed, a first electrode which defines emitting areas of the first sub pixel, the second sub pixel, and the third sub pixel and is disposed in the emitting area on the substrate, an organic light emitting diode on the first electrode, a bank which defines emitting areas of the first sub pixel, the second sub pixel, and the third sub pixel and is disposed in the non-emitting area to expose an upper portion of the first electrode and a second electrode on the organic light emitting diode. The organic light emitting diode includes a path blocking layer disposed in the non-emitting area.

IPC 8 full level

H10K 59/122 (2023.01); **H10K 59/00** (2023.01); **H10K 59/32** (2023.01)

CPC (source: EP KR US)

C23C 14/042 (2013.01 - KR); **H10K 50/13** (2023.02 - US); **H10K 50/19** (2023.02 - US); **H10K 59/122** (2023.02 - EP KR US); **H10K 59/32** (2023.02 - EP); **H10K 59/35** (2023.02 - KR); **H10K 59/353** (2023.02 - US); **H10K 59/771** (2023.02 - EP); **H10K 71/166** (2023.02 - KR US); **H10K 59/353** (2023.02 - EP)

Citation (search report)

- [X] US 2021126215 A1 20210429 - PARK TAEHAN [KR], et al
- [X] EP 3343627 A1 20180704 - LG DISPLAY CO LTD [KR]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 22203825 A 20221026; CN 202211661040 A 20221223; KR 20210194334 A 20211231; US 202217994622 A 20221128